

AMENDMENTS TO THE CLAIMS

Applicants submit below a complete listing of the current claims, including marked-up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing. This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently amended) A portable recall device configured to be carried by a wearer comprising:

a camera;

at least one accelerometer connected to the camera that detects an acceleration of the camera;

at least one environmental sensor adapted to monitor at least one ambient condition, the at least one ambient condition including ambient light, external to the wearer; and

a controller operably connected to the camera, the at least one accelerometer, and the at least one environmental sensor to determine whether to capture an image using the camera based ~~at least in part on satisfaction of a capture condition, wherein the controller is adapted to determine whether the capture condition is satisfied by determining~~ whether a change in a level of the ambient light monitored by the at least one environmental sensor is above a first threshold and whether the acceleration of the camera detected by the at least one accelerometer is below a second threshold.

2. – 3. (Canceled)

4. (Currently amended) The portable recall device of claim 1 further comprising:

an audio recording circuit adapted to record ambient sounds,

wherein the controller is operably connected to the audio recording circuit and is adapted to determine whether to record ambient sounds using the audio recording circuit based at least in part on satisfaction of the capture condition whether the change in the level of the ambient light is above the first threshold.

5. (Original) The portable recall device of claim 1 wherein the camera includes a wide-angle lens.

6. (Original) The portable recall device of claim 1 wherein the camera includes a fish-eye lens.

7. (Previously presented) The portable recall device of Claim 1 wherein the first threshold corresponds to a change in the level of the ambient light associated with movement of the at least one environmental sensor from one room to another room.

8. (Currently amended) The portable recall device of claim 1 wherein the controller is further adapted to determine whether ~~the capture condition is satisfied~~ to capture the image by comparing a change in ambient sound to a third threshold.

9. (Currently amended) The portable recall device of claim 1 wherein the controller is further adapted to determine whether ~~the capture condition is satisfied~~ to capture the image by comparing a change in ambient temperature to a third threshold.

10. – 12. (Canceled)

13. (Previously presented) The portable recall device of claim 1 wherein the at least one accelerometer comprises:

a plurality of accelerometers, each accelerometer oriented to detect acceleration along different axis,

wherein the controller is adapted to determine whether the acceleration of the camera is below the second threshold based at least in part on a signal from each accelerometer indicating that camera acceleration is below a third threshold in each axis.

14. (Currently amended) The portable recall device of claim 1 further comprising:
a gyroscope,

wherein the controller is operably connected to the gyroscope and is further adapted to ~~determine whether the capture condition is satisfied based in part on, upon determining that the image is to be captured, instruct the camera to capture the image when~~ a signal from the gyroscope ~~indicating~~ indicates that yawing movement of the camera is below a third threshold.

15. (Currently amended) The portable recall device of claim 1 wherein the controller is further adapted to control the camera to capture the image at least a predefined delay period after determining that the ~~capture condition is satisfied~~ image is to be captured.

16. (Currently amended) The portable recall device of claim 1 further comprising:
a passive infrared detector,

wherein the controller is operably connected to the passive infrared detector and is further adapted to determine whether ~~the capture condition is satisfied~~ to capture the image by comparing a change in a signal from the passive infrared detector to a third threshold to determine whether the signal indicates heat from a person in the proximity of the portable recall device.

17. (Previously presented) A method comprising:
monitoring acceleration of a camera along at least one axis using an accelerometer;
monitoring at least one ambient condition of an environment of the camera with at least one environmental sensor;

detecting whether a stable condition is satisfied by determining whether the acceleration of the camera detected by the at least one accelerometer along the at least one axis is below a first threshold;

detecting whether a capture condition is satisfied by comparing a change in the at least one ambient condition monitored by the at least one environmental sensor to at least one second threshold;

determining whether to capture an image based at least in part on whether the stable condition and the capture condition are satisfied; and

when it is determined that an image should be captured, capturing an image by the camera.

18. – 19. (Canceled)

20. (Original) The method of claim 17 further comprising:
recording ambient sounds responsive to detection of the capture condition.

21. (Original) The method of claim 17 wherein the camera includes a wide-angle lens.

22. (Original) The method of claim 17 wherein the camera includes a fish-eye lens.

23. – 28. (Canceled)

29. (Previously presented) The method of claim 17 wherein detecting whether the stable condition is satisfied further comprises:

detecting a signal from a gyroscope that indicates that yawing movement of the camera is below a defined threshold.

30. (Previously presented) The method of claim 17 wherein capturing the image by the camera comprises:

delaying at least a predefined delay period after determining that the capture condition is satisfied; and

following the predefined delay period, capturing the image.

31. (Original) The method of claim 17 further comprising:
reviewing in sequence a plurality of captured images downloaded from the portable recall device.

32. (Previously presented) A computer readable storage medium encoded with instructions that, when executed by a computer, cause the computer to perform a computer process on a computer system, the computer process comprising:

monitoring acceleration of a camera along at least one axis using an accelerometer;
detecting whether a capture condition is satisfied by monitoring at least one ambient condition with at least one environmental sensor, the at least one ambient condition including at least one of ambient light, ambient temperature, and ambient sound, and comparing a change in the at least one ambient condition to a first threshold;

detecting whether a stable condition is satisfied by determining whether the acceleration of the camera detected by the at least one accelerometer along the at least one axis is below a second threshold;

determining whether to capture an image based at least in part on whether the capture condition is satisfied; and

when it is determined that an image is to be captured:

determining when to capture an image based at least in part on whether the stable condition is satisfied; and

capturing an image by the camera at least a predefined delay period after detection of the capture condition.

33. (Currently amended) A digital media player configured to be carried by a wearer comprising:

a camera;

at least one environmental sensor that monitors at least one ambient condition, the at least one ambient condition including ambient light; and

a controller operably connected to the camera and the at least one environmental sensor to determine whether to capture an image using the camera based at least in part on satisfaction of a capture condition, ~~wherein the controller is adapted to determine whether the capture condition is satisfied by determining~~ whether a change in a level of the ambient light is above a first threshold.

34. – 43. (Canceled)

44. (Previously presented) The portable recall device of claim 1, wherein the at least one environmental sensor comprises a light level sensor.

45. (Previously presented) The method of claim 17, wherein the at least one environmental sensor comprises a light level sensor.

46. (Previously presented) The digital media player of claim 33, wherein the at least one environmental sensor comprises a light level sensor, and

wherein the first threshold corresponds to a change in the level of the ambient light associated with the light level sensor moving from one room to another room.

47. (Previously presented) The method of claim 17, wherein monitoring the at least one ambient condition comprises monitoring an ambient sound level, and

wherein comparing the change in the at least one ambient condition to the at least one second threshold comprises determining whether a change in the ambient sound is above a third threshold.

48. (Previously presented) The method of claim 17, wherein monitoring the at least one ambient condition comprises monitoring an ambient temperature, and

wherein comparing the change in the at least one ambient condition to the at least one second threshold comprises determining whether a change in the ambient temperature is above a third threshold.